

# BRITISH CARDIAC SOCIETY NEWSLETTER

Many members will have received the letter from Dr Kenneth Calman, the Chief Medical Officer to the Department of Health, on the implementation of the report *Hospital doctors: training for the future*.

Dr Calman wrote that Ministers had agreed to the full implementation of the report, which encourages the development of a consultant based service. This will shorten training from an average of 12 years to an average of 7 years with more structured and intensive training. The registrar and senior registrar grades will be unified and the finishing point of specialist training will be defined by the Certificate of Completion of Specialist Training (CCST).

Dr Calman recognised that the present rate of expansion of consultant posts (2%) needs to be increased. Some existing senior registrar appointments will be upgraded to consultant posts. He emphasised two important conditions: firstly, that there will be no overall increase in NHS resources to fund the changes and, secondly, the need to move away from existing medical staffing policies towards more flexible measures that emphasise "local decision making and priorities".

The NHS Management Executive will be issuing an implementation plan for consultation, but the responsibility for deciding content, direction, and criteria for specialist training rests with individual specialist Royal Colleges and hence through to the SAC in Cardiovascular Medicine and our Training and Manpower Committee. It is important to recognise that the minimum length of training programmes is being reduced but it remains to be seen how much flexibility there will be, especially in terms of funding of the training programmes through the postgraduate deans. During 1994 the General Medical Council will be consulting on the content of general professional training before specialist training.

The letter recognises many difficulties in achieving the change, including the period immediately after the award of a CCST and the introduction of a national numbering system of trainees. These issues are being taken forward by a working group and an implementation steering group. Furthermore, three expert groups are looking at the training of doctors in academic and research medicine, the training of overseas doctors, and the training of general practitioners. Dr Calman envisages that the change to the new structure will be completed within six years. There are many important changes ahead and the Training and Manpower Committee will be working with the British Cardiac Society Council to ensure that six years from now we have excellent training programmes with appropriate numbers of trainees and adequate numbers of consultants to provide the level of specialist care that patients with cardiac

disease have a right to expect. Please send any views you have to the British Cardiac Society.

The following two reports from the Joint Audit Committee and the European Society of Cardiology make it clear that clinical guidelines will play an increasingly important part in everyday practice—we must all be involved.

## Joint Audit Committee BCS/RCP London

David de Bono writes in defence of clinical standards: but not of cookbooks:

"The NHS Management Executive has recently (and some would say belatedly) become interested in the concept of writing clinical standards into purchaser-provider contracts. Among documents recently circulated to purchasers as possible source material on which to base such standards was a paper on audit guidelines and clinical standards in stable angina prepared as a summary of a workshop held under the auspices of the Joint Audit Committee of the British Cardiac Society and the Royal College of Physicians of London. The Joint Audit Committee has since held a further workshop on acute myocardial infarction and intends shortly to hold workshops on heart failure, arrhythmias, and valvar heart disease. Is this an attempt to curb the rich diversity of British cardiological practice by imposing rigid guidelines or cookbook protocols? Emphatically not! There is increasing recognition by all parties, not least by purchasers, that the only guidelines likely to be followed—and therefore effective—are those drawn up locally with the involvement of all interested parties including general practitioners with a full understanding of local problems and resources. The two main objectives of the Joint Audit Committee summaries are firstly to provide a brief but accurate description of the clinical condition and a synopsis of recent clinical trial data and second to identify essential features that need to be recorded so that clinical practice can be audited. If clinicians can use this material to help them draw up local guidelines, then our aim will have been fulfilled. In practice, no one can or should expect absolute compliance even with local guidelines: this would be robotics not medicine. On the other hand, clinicians who depart from locally agreed guidelines should be prepared to justify their action and, even more important, to record their results. When I started in cardiology I was taught to use 8 gauge catheters, always to do a left ventricular angiogram, always to heparinise the patient, and to keep catheter patients in hospital overnight (if not for three or four days). I now do none of these. Changes in management of myocardial infarction, arrhythmias and heart failure have been even more spectacular. But there is no point in being an innovator unless process and outcome are properly recorded so that they can be independently checked, compared with conventional wisdom and, if better, communicated efficiently to others. Purchasers will increasingly seek to write audit funding into individual contracts rather than to deliver it as a lump sum; they can be educated to see properly audited innovation as being essential to their own interests as well as those of the provider."

## European Society of Cardiology

Philip Poole-Wilson writes: "Some of you are involved in working groups that prepare guidelines, academic comments or policy statements on areas of interest in cardiology. The Board of the European Society of Cardiology has clarified how these activities should be classified. A task force is established by the board to prepare recommendations or guidelines. Task forces can be proposed to the board by working groups, national societies, or others. The final document needs endorsement by the Board of the European Society of Cardiology and will be published in the *European Heart Journal*. Study groups can be established by working groups of the European Society of Cardiology to look into specific topics and to prepare opinions and recommendations. These reports reflect the opinions of the study groups and working group. Ideally reports from study groups should be submitted to the *European Heart Journal* and they almost certainly will be subjected to the normal reviewing process. I do hope that many of you will join task forces or study groups. If there are topics that you think should be evaluated in the context of a working group of the European Society of Cardiology do suggest that to the chairmen of those working groups.

## Forthcoming meetings

Jarda Stark is due to give his Tudor Edwards Lecture entitled "Quo vadis paediatric cardiac surgery" on 2 June 1994 at 5.00 pm at the Royal College of Surgeons of England, 35/43 Lincoln's Inn Fields, London. For further information telephone 071 405 3474.

A second meeting on *Cardiovascular Disease Prevention* will be held on the 19–22 July 1994 at the Conference Centre, Kensington Town Hall, London. Please contact Hampton Medical Conferences Limited, Hofer House, 185 Uxbridge Road, Hampton, Middlesex (tel: 081 783 0810) for further information.

D JOHN PARKER  
President, British Cardiac Society  
JOHN G F CLELAND  
Assistant Secretary, British Cardiac Society,  
9 Fitzroy Square, London W1P 5AH

## NOTICE

The 1995 Annual Meeting of the **British Cardiac Society** will take place at the Conference Centre, Harrogate, West Yorkshire from 23 to 25 May.

## CORRECTION

**Increase in plasma  $\beta$  endorphins precedes vasodepressor syncope** D R Wallbridge, H E MacIntyre, C E Gray, M A Denvir, K G Oldroyd, A P Rae, S M Cobbe.  
We regret that owing to a printers' error all four figures in this article in the May issue (*Br Heart* 7 1994;71:446–8) appeared in the wrong order and with wrong legends. The corrected version of the article is reprinted on pages 597–599 of this issue.

## VOLUME 71: AUTHOR INDEX

S = British Society of Echocardiography Supplement 1994, L = letter, E = editorial, R = review, T = technique, V = viewpoint

- A**  
 Abenheim L, 303 (L)  
 Aber CP, 129  
 Agata Y, 182  
 Akhras F, 341  
 Allan L, 232  
 Allan LD, 70  
 Allen JW, 454  
 Altman R, 151  
 Anagnostou E, S31 *abs*  
 Andersen C, 419  
 Anderson MH, 16  
 Andersson B, 261  
 Angelini GD, 382  
 Antoniadis A, 536  
 Appleby M, S33 *abs*  
 Arnold R, 588  
 Axford JS, 459  
 Azhar M, 224
- B**  
 Bailey CR, 349  
 Bain H, 102  
 Balcon R, 7, 492  
 Banner NR, 431  
 Banning AP, S35 *abs*, S36 *abs*  
 Barbir M, 408  
 Barbosa V, 249  
 Barlow C, 268  
 Barzilai B, 404 (E)  
 Bashir Y, 119 (R), 322  
 Bateman J, 268  
 Becker AE, 507  
 Bellotti G, 249  
 Benti, 166  
 Besana C, 166  
 Bexton RS, 202, 395  
 Blackburn ME, 487  
 Blake D, 212  
 Blomstrom-Lundqvist C, 215  
 Bloom SR, 305 (E)  
 Bloomfield P, 515  
 Bode C, 242  
 Bolton CH, 293  
 Borri A, 166  
 Bourke JP, 386  
 Boyle D, 492  
 Brecker SJD, 548  
 Bridges ND, 370  
 British Society of Echocardiography Supplement 1994, S1-36  
 Brooks NH, 76, 82  
 Brown AS, 540  
 Bryan AJ, 382, 404 (E)  
 Bucknall CA, 378  
 Buller NP, 372  
 Bu'Lock FA, 358  
 Burckhardt D, 449  
 Burkart F, 449  
 Burns JE, 63
- C**  
 Camerini F, 215  
 Camm AJ, 3 (E), 16, 96, 322, 437, 554  
 Camm J, 521  
 Campanella C, S32 *abs*  
 Campbell NPS, 531  
 Campbell RWF, 386, 508 (R)  
 Caplin J, 490 (L)  
 Caplin JL, 129  
 Ceconi C, 422  
 Celentano A, 287  
 Cerutti S, 422  
 Chakraborty R, 29  
 Chamberlain D, 492  
 Chamberlain-Webber R, 191, 274  
 Chambers J, S6  
 Chambers JB, S31 *abs*, 561  
 Chan K-Y, 70  
 Channer KS, 146  
 Channon K, 484  
 Cheng TO, 107 (L)  
 Chennells PM, 363  
 Chierchia S, 166  
 Clark AL, 162, 528  
 Clarke A, 490 (L)  
 Clarke KW, 38, 584  
 Cleland JGF, 109, 206, 224, 304, 399, 490, 596  
 Coady A, 45  
 Coats AJS, 162, 528  
 Cobbe S, 492  
 Cobbe SM, 446 (*correction*, 597), 511  
 Cochrane D, 531  
 Coltart JD, 22  
 Contaldo F, 287  
 Cooke R, S31 *abs*  
 Cooke RA, 561  
 Cooper IC, 22  
 Cowell RPW, 569  
 Cox A, 431  
 Crane T, 481  
 Creamer JE, 316  
 Crook D, 41  
 Cross SJ, 311  
 Crowley JJ, S35 *abs*  
 Crowther A, 22, 229  
 Crozier IG, 30  
 Cullen S, 479  
 Cunningham D, 213 (E), 401 (E)  
 Currie J, 368  
 Curry PVL, 561
- D**  
 Dardas P, S35 *abs*  
 Dargie HJ, 213 (E), 401 (E)  
 D'Avanzo B, 468  
 Davey PP, 268  
 Davies DW, 481  
 Davies MJ, 214  
 Davies SW, 7  
 de Albuquerque CP, 249  
 de Bakker JMT, 170  
 de Belder MA, S15, 209 (E)  
 de Bono D, 504 (R)  
 de Divitiis O, 287  
 de Jongste MJL, 413  
 de Simone G, 287  
 Dean JW, 366, 385  
 Defauw JJAMT, 170  
 Denvir MA, 446: *correction*, 597  
 Di Biase G, 287  
 Dickie A, 311  
 Dietz R, 254  
 Dodds PA, S34 *abs*  
 Doig JC, 386  
 Dolci A, 109 (L)  
 Donatelli F, 109 (L)  
 Dritsas A, S32 *abs*  
 Dubrey S, 187, 341  
 Dunn FG, 92  
 Durrington PN, 125, 316  
 Dyer PA, 76  
 Dyke L, 334  
 Dymond DS, 334
- E**  
 Egashira K, 181  
 Eleftherakis N, S34 *abs*  
 Erbel R, 572  
 Ewing DJ, 515
- F**  
 Farrell T, 521  
 Fei L, 16, 322  
 Feng QP, 261  
 Fenton AC, 566  
 Findlay I, 213 (E)  
 Findlay IN, 401 (E)  
 Firmin RK, 566  
 Fitzpatrick AP, 274  
 Flapan AD, 515  
 Fletcher S, 141  
 Fontaine G, 215  
 Fontaliran F, 215  
 Foran JPM, S31 *abs*  
 Forbat SM, 489  
 Forfar C, 268  
 Fort S, 354  
 Fox K, 406 (E)  
 Fox KAA, S32 *abs*  
 Foy SG, 30  
 Fragasso G, 166  
 Fraser A, S6  
 Fraser AG, S31 *abs*, S32 *abs*, S35 *abs*, S36 *abs*  
 Frees U, 254  
 Frenneaux MP, 554  
 Furniss SS, 386
- G**  
 Galderisi M, 287  
 Gamra H, 454  
 Garofalo M, 287  
 Garratt CJ, 307 (E)  
 Garthwaite P, 311  
 Gatzoulis MA, 579  
 Ge J, 572  
 Gerber T, 572  
 Gershlick AH, 7, 510  
 Gerstenblith G, 249  
 Gerundini PP, 166  
 Gibbs JL, 487  
 Gibbs JSR, 372  
 Gibson DG, 541, 548  
 Gill JS, 322  
 Glatz JFC, 135  
 Godman MJ, 63  
 Godsland IF, 41  
 Goggin PM, 437  
 Gold RG, 395  
 Gomersall LN, 368  
 Görg G, 572  
 Grädel E, 449  
 Grady RM, 370  
 Graham TR, 354  
 Grant SCD, 76, 82  
 Gray CE, 446: *correction*, 597  
 Gray D, 38, 474, 584  
 Greenhalgh RM, 45  
 Griffith MJ, 202, 395  
 Grossi A, 109 (L)  
 Groves A, 232  
 Grubb NR, S32 *abs*  
 Grünig E, 242  
 Guiraudon GM, 170  
 Gurfinkel E, 151  
 Gustafsson LE, 282
- H**  
 Haaksma J, 413  
 Hackson G, S31 *abs*  
 Hall RJC, S31 *abs*, S32 *abs*, S35 *abs*, S36 *abs*  
 Hamm C, 242  
 Hampton JR, 38, 474, 584  
 Handler CE, S31 *abs*  
 Hardman T, 341  
 Hargreaves M, 484  
 Hart G, 268  
 Haude M, 572  
 Hausdorf G, 89  
 Hautvast RWM, 413  
 Hedner T, 261  
 Henein MY, 541  
 Herlitz J, 238  
 Hermens WT, 135  
 Higenbottam T, 303 (L)  
 Higham PD, 508 (R)

Higman DJ, 45  
Hillege HL, 413  
Hilless AD, 51  
Hiraishi S, 182  
Hirooka Y, 181  
Hiura K, 182  
Hjalmarson A, 238  
Hoberg E, 254  
Holden MP, 202  
Hole P, 419  
Hooper J, 177  
Horsburgh RJ, 30  
Howey S, 129  
Hunt L, 316  
Hunter S, 102, 492, S20  
Hynd J, 341

I  
Ikonomidis I, S34 *abs*  
Ikram H, 30  
Ikram S, S35 *abs*, S36 *abs*  
Iliodromitis E, 536  
Ilsley C, 408  
Ilsley CDJ, 569  
Ingram A, 274  
Inou T, 181  
Ito M, 87  
Izzat MB, 382

J  
Jaarsma W, 170  
Jackson M, 558, 588  
Jeffrey R, 368  
Jennings K, 311  
Jewitt DE, S33 *abs*, S35 *abs*, 378  
Joffe HS, 358  
Jones CJH, 181  
Jones R, S36 *abs*  
Jones RA, S31 *abs*, S32 *abs*, S36 *abs*  
Joshi J, S32 *abs*  
Judge K, 96

K  
Kabahaji E, S32 *abs*  
Kajiyama G, 34  
Kalil-Filho R, 249  
Karakawa S, 34  
Karlsen BW, 238  
Karrer O, 242  
Katritsis D, 16, 22  
Katus HA, 242, 254  
Keeling PJ, 322, 459  
Kemp M, 177  
Kenny A, 57, S35 *abs*  
Khaghani A, 408  
Khurmi NS, 30  
Kingma JH, 170  
Kiowski W, 449  
Kirolivanou V, S34 *abs*  
Kisslo J, S28  
Kitchiner D, 558, 588  
Kleine AH, 135  
Knight C, 406 (E)  
Koch L, 572  
Koster RW, 440  
Kouchoukos NT, 404 (E)  
Kreidieh I, 334  
Kremastinos DT, 536  
Kübler W, 242, 254  
Kulakowski P, 521  
Kumar A, 79  
Kumar EB, 129  
Kushwaha SS, 431  
Kyriakides ZS, 536

L  
La Rovere MT, 422  
La Vecchia C, 468  
Lahiri A, S31 *abs*  
Lange PE, 89  
Langer I, 449  
Lau FYK, 454  
Lawford P, S6  
Lawson-Matthew P, 146  
Layton C, 7  
Lazem F, 408

Lee HS, 311  
Lefroy DC, 481  
Leslie RDG, 341  
Levy J, 437  
Levy RD, 76, 82  
Lewis CT, 354  
Lewis NP, S36 *abs*  
Lie KI, 413  
Lim R, 334  
Lindsay HSJ, 363  
Lip GYH, 92  
Littler WA, 303 (L)  
Lo SSS, 341  
Lombardi F, 1 (E)  
Löscher S, 462  
Low CJS, 30  
Lundberg JM, 261  
Lundell BPW, 282  
Lynch M, 303 (L)

M  
McClements BM, 531  
McComb JM, 501 (E)  
McHaffie DJ, 51  
MacIntyre HE, 446: *correction*, 597  
McKenna WJ, 215, 322, 459, 554  
Mackness MI, 316  
McLaughlin NB, 386  
McLean KA, 146  
McLeod KA, 487  
MacNeill A, 232  
Magee AG, 63  
Magee P, 177  
Malaiya N, 588  
Malik M, 3 (E), 16, 521  
Malliani A, 1 (E)  
Mann J, 6  
Marcatti M, 166  
Marchant B, 329  
Marks V, 293  
Martin M, S33 *abs*  
Martinelli L, 422  
Masani N, S36 *abs*  
Masani ND, S31 *abs*, S32 *abs*, S36 *abs*  
Masuda T, 156  
Matsuura H, 34  
Matsuura Y, 34  
Mautner B, 151  
MBewu AD, 316  
Meeran K, 305 (E)  
Mendall MA, 437  
Meyer J, 572  
Meyler PWJ, 413  
Michalis L, S33 *abs*  
Michalakakis N, 536  
Mickley H, 113 (E)  
Mills PG, 354, 366  
Mishra M, S31 *abs*  
Misumi I, 156  
Mitchell A, 408  
Miyao Y, 156  
Molineaux N, 437  
Monaghan MJ, S1, S33 *abs*, S35 *abs*, 540  
Mortara A, 422  
Moss J, 45  
Mounsey JP, 202, 395  
Mukai J, 34  
Mulcahy D, 406 (E)  
Mulligan IP, 268  
Mureddu GF, 287  
Murray A, 386  
Murray RG, 193

N  
Nagata K, 34  
Nakagawa M, 87  
Nakano O, 249  
Nathan AW, 96  
Nava A, 215  
Neilson JM, 515  
Niebauer J, 254  
Nihoyannopoulos P, S1, S6, S15, S32 *abs*, S34 *abs*, 224  
Nobili A, 468  
Noble MIM, 341  
Nolan J, 515

Northfield TC, 437  
Nowatari M, 182  
  
O  
Oakley CM, 196, 224, S32 *abs*  
Odenmuyiwa O, 521  
Ogawa H, 156  
Oguchi K, 182  
Okubo H, 156  
Okumura K, 156  
Oldershaw PJ, 187  
Oldroyd KG, 446: *correction*, 597  
Oliver MF, 41  
Osborne JP, 490 (L)  
O'Sullivan JO, 102 (T)  
Oxhoj H, 419

P  
Pagani M, 1 (E)  
Pantaleo P, 422  
Parameshwar J, 391  
Parker DJ, 6, 206, 304, 399, 490, 596  
Parker J, 109, 492  
Parthenakis F, S32 *abs*  
Patel N, 431  
Patton H, 431  
Paul VE, 96, 569  
Peart I, 588  
Pentecost BL, 303 (L)  
Perrins EJ, 363  
Perry BA, S34 *abs*  
Perry RA, S34 *abs*  
Petersen MEV, 274  
Pfisterer M, 449  
Pileggi F, 249  
Pinna G, 422  
Poloniecki J, 322, 521  
Poole-Wilson PA, 162, 391, 541  
Post W, 440  
Powell JT, 45  
Pruvulovich L, S33 *abs*  
Purkiss SF, 354  
Pye M, 511

Q  
Quinn AC, 511

R  
Rae AP, 446: *correction*, 597  
Raftery EB, S31 *abs*  
Ranjadayalan K, 329  
Rankin I, 191  
Rauch B, 254  
Ray SG, 395  
Redington A, 479  
Rees DHE, 459  
Reid J, 515  
Remppis A, 242  
Reval K, 492  
Rich S, 303 (L)  
Richards AM, 30  
Richardson M, 146  
Richardson PJ, S33 *abs*  
Robotham KF, S34 *abs*  
Roffe C, 141  
Rosano GMC, 541  
Rosin MD, 193  
Ross I, 311  
Rothman MT, 7  
Rouvier J, 151  
Rugarli C, 166  
Ruiz CE, 454  
Ruttley MST, S35 *abs*

S  
Sadiq M, 566  
Saeed BT, 193  
Saikawa T, 87  
Sakamoto T, 156  
Saltissi S, S15  
Sanderson JE, 413, 490 (L)  
Santoro L, 468  
Saunders H, S36 *abs*  
Sbarouni E, 196

Scalfi L, 287  
 Scalia G, 554  
 Scazziotto A, 151  
 Scheffold T, 242  
 Schömig A, 254  
 Schuler G, 254  
 Schulze-Neick I, 89  
 Schwarz F, 254  
 Senior R, S31 *abs*  
 Shah D, 224  
 Shahrabani R, 29  
 Shakespeare CF, 22  
 Shapiro LM, 57, S35 *abs*  
 Sharkey AM, 370  
 Sharland G, 232  
 Sharland GK, 70  
 Shaw TRD, 297  
 Sheldon S, 76  
 Shimizu W, 34  
 Shimoda T, 182  
 Shinebourne EA, 579  
 Shirlaw TM, 30  
 Shore D, 579  
 Signorini MG, 422  
 Sigwart U, 372  
 Simpson I, S6  
 Smith SE, 229  
 Smyth DW, 378  
 Sneddon J, 16  
 Sneddon JF, 554  
 Somerville J, 479  
 Song GJ, 341  
 Sparrow J, 391  
 Spriggins D, 7  
 Srámek M, 440  
 Sreeram N, 558  
 Staal MJ, 413  
 Stables R, 406 (E)  
 Statters DJ, 16, 322  
 Staunton A, 521  
 Stevenson JC, 41  
 Stevenson R, 329  
 Stockley RA, 303 (L)  
 Stockman S, 531  
 Strachan D, 437  
 Straumann E, 449  
 Steel SA, 129  
 Stulz P, 449  
 Stumper O, 63  
 Sutherland GR, S32 *abs*  
 Sutton MGStJ, 187

Sutton MStJ, 115 (R), 232  
 Sutton R, 191, 274  
 Swan JW, 41  
 Sweetnam PM, 293  
 Syndercombe Court YD, 7

T  
 Taggart DP, 177  
 Takeshita A, 181  
 Tammaro P, 287  
 Tavazzi L, 422  
 Teale JD, 293  
 Tean KN, 92  
 Thiene G, 215  
 Thomas J, 334  
 Thomas MR, S33 *abs*, S35 *abs*, 378  
 Thomas R, 490 (L)  
 Thomas S, 378  
 Thorne SA, 489  
 Tillmanns H, 254  
 Timmins J, 7  
 Timmis AD, 7, 309 (V), 329  
 Todesco P, 468  
 Toosy T, 437  
 Tranchesi B, 249  
 Travill C, 341  
 Treacher DF, 229  
 Tresoldi M, 166  
 Triggiani M, 109 (L)  
 Tsuchioka Y, 34  
 Turkie WH, 316  
 Tynan M, 492

U  
 Underwood R, 490 (L), 541  
 Urabe Y, 181

V  
 Vaishnav S, 329  
 Valliathu J, 29  
 van der Vusse GJ, 135  
 van Dieijen-Visser MP, 135  
 van Hemel NM, 170  
 van Nieuwenhoven FA, 135  
 Venning MC, 82  
 Ventura G, 468  
 Venugopalan P, 358  
 Vermeulen FEE, 170  
 Victorica BE, 79  
 Vidal M, 166  
 Vogel M, 462

W  
 Waagstein F, 261  
 Wainwright RJ, S31 *abs*  
 Walesby R, 177  
 Wallbridge DR, 446: *correction*, 597  
 Walsh K, 588  
 Walton C, 41  
 Walton S, 311  
 Ward C, 82, 219 (R)  
 Ward D, 521  
 Ward DE, 119 (R), 554  
 Webb DW, 490 (L)  
 Webb-Peploe M, 492  
 Webb-Peploe MM, 22  
 West RR, 382  
 Why H, 540  
 Why HJF, S33 *abs*  
 Wielogorski AK, 349  
 Wilkinson P, 329  
 Williams CA, 79  
 Williams D, 558  
 Williams T, 274  
 Wilmshurst PT, 209 (E), 229  
 Winberg P, 282  
 Wisbey CR, 57  
 Woods KL, 141  
 Wren C, S20, 102  
 Wright JE, 177  
 Wyllie J, S20

X  
 Xia R, 521  
 Xiao HB, 548  
 Xu M, 51

Y  
 Yacoub M, 408, 579  
 Yacoub MH, 431  
 Yamada A, 181  
 Yamagata T, 34  
 Yapanis A, S36 *abs*  
 Yapanis AG, S31 *abs*  
 Yarnell JWG, 293

Yashira K, 182  
 Yasue H, 156  
 Young V, 177  
 Yu Q, 156

Z  
 Zehelein J, 242  
 Zhang HP, 454

## VOLUME 71: SUBJECT INDEX

S = British Society of Echocardiography Supplement 1994

## A

- Ablation**, Radiofrequency catheter ablation: a new frontier in interventional cardiology: *review*, 119
- Acronyms**, Acronym aggravation: *letter*, 107
- Adenosine**, Haemodynamic deterioration after treatment with adenosine, 569
- Allopurinol**, Lack of cardioprotective efficacy of allopurinol in coronary artery surgery, 177
- Amoebiasis**, Amoebiasis: a rare cause of cardiac tamponade, 368
- Anaemia**, Pathogenesis of oedema in chronic severe anaemia: *letter*, 490
- Aneurysm**  
An accidental aneurysm: an incidental finding: *images in cardiology*, 489  
False aneurysm of the right ventricular outflow tract after total correction of tetralogy of Fallot: diagnosis by echocardiography and successful repair by neck cannulation for cardiopulmonary bypass, 566  
Transcatheter closure of a ruptured aneurysm of the sinus of Valsalva, 479
- Angina**  
Angiotensin converting enzyme inhibition in chronic stable angina: effects on myocardial ischaemia and comparison with nifedipine, 30  
Circadian variation in fibrinolytic activity in patients with variant angina, 156  
Does pain relief with spinal cord stimulation for angina conceal myocardial infarction?, 419  
Implication of prescriptions for nitrates: 7 year follow up of patients treated for angina in general practice, 38  
Importance of thrombosis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina, 151  
Influence of the autonomic nervous system on circadian patterns of myocardial ischaemia: comparison of stable angina with the early postinfarction period, 329  
Lasers, burns, cuts, tangles and pumps: a consideration of alternative treatments for intractable angina: *editorial*, 406
- Angiotensin converting enzyme inhibition**  
Angiotensin converting enzyme inhibition in chronic stable angina: effects on myocardial ischaemia and comparison with nifedipine, 30  
Should angiotensin converting enzyme (ACE) inhibitors be used routinely after infarction? Perspectives from the Survival and Ventricular Enlargement (SAVE) Trial: *review*, 115
- Anorexia nervosa**, Cardiac abnormalities in young women with anorexia nervosa, 287
- Anterior staircase manoeuvre**, Anterior staircase manoeuvre for atrial transseptal puncture, 297
- Aortic Doppler velocimetry**, Exercise electrocardiography and aortic Doppler velocimetry in asymptomatic identical twins discordant for type 1 (insulin dependent) diabetes, 341
- Aortic stenosis**  
Aortic valve replacement in elderly patients with aortic stenosis, 449  
Diastolic function in aortic stenosis versus systemic hypertension: a Doppler echocardiographic study, S34 *abs*  
Doppler echocardiographic assessment of early changes in diastolic function after aortic valve replacement for aortic stenosis, S34 *abs*  
Profiles of coronary blood flow velocity in patients with aortic stenosis and the effect of valve replacement: a transthoracic echocardiographic study, 57
- Aortic valve**  
Aortic valve replacement in elderly patients with aortic stenosis, 449  
Balloon dilatation of the aortic valve after previous surgical valvotomy: immediate and follow up results, 558
- Aortography**, End-on aortogram: improved identification of important coronary artery anomalies in tetralogy of Fallot, 102
- Aortopulmonary collaterals**, Stenting of stenosed aortopulmonary collaterals: a new approach to palliation in pulmonary atresia with multifocal aortopulmonary blood supply, 487
- Appetite depressants**, International Primary Pulmonary Hypertension Study: *letter*, 303
- Aprotinin**, Randomised placebo controlled double blind study of two low dose aprotinin regimens in cardiac surgery, 349
- Arrhythmias**, Investigation of the effects of intravenous magnesium sulphate on cardiac rhythm in acute myocardial infarction, 141
- Arrhythmogenic right ventricular dysplasia**  
Arrhythmogenic right ventricular dysplasia, 214  
Diagnosis of arrhythmogenic right ventricular dysplasia/cardiomyopathy, 215
- Arterial saturation**, Effects of a patent foramen ovale on arterial saturation during exercise and on cardiovascular responses to deep breathing, Valsalva manoeuvre, and passive tilt: relation to history of decompression illness in divers, 229
- Artificial heart valves**, Echocardiographic assessment of artificial heart valves: British Society of Echocardiography position paper, S6
- Aspirin**, Is this the end of the aspirin and vein graft story? *commentary*, 510

## Atrial fibrillation

- Haemodynamic deterioration after treatment with adenosine, 569  
Long-term results of the corridor operation for atrial fibrillation, 170  
Surgery for atrial fibrillation: *editorial*, 501  
Treatment of atrial fibrillation in a district general hospital, 92
- Atrial myxoma**, Value of multiplane transoesophageal echocardiography in recurrent atrial myxoma, 540
- Atrial transseptal puncture**, Anterior staircase manoeuvre for atrial transseptal puncture, 297
- Atrioventricular septal defect**  
Complete atrioventricular septal defect with tetralogy of Fallot: diagnosis and management, 579  
Familial atrioventricular septal defect: possible genetic mechanisms, 79
- Atropine**, Differential effect of pharmacological autonomic blockade on some electrophysiological properties of the human ventricle and atrium, 34
- Audit**, Impact of internal audit on pacemaker prescription and the immediate costs of pacing in the Northern Region: towards implementation of the recommendations of the British Pacing and Electrophysiology Group, 395
- Autonomic blockade**, Differential effect of pharmacological autonomic blockade on some electrophysiological properties of the human ventricle and atrium, 34
- Autonomic nerve function**, Differences in autonomic nerve function in patients with silent and symptomatic myocardial ischaemia, 22

## B

- Bail-out device**, Temporary stent as a bail-out device during percutaneous transluminal coronary angioplasty: preliminary clinical experience, 372
- Balloon dilatation**, Balloon dilatation of the aortic valve after previous surgical valvotomy: immediate and follow up results, 558
- Balloon venoplasty**, Successful treatment by balloon venoplasty and stent insertion of obstruction of the superior vena cava by an endocardial pacemaker lead, 363
- Basal lamina**, Is thickening of the basal lamina in the saphenous vein a hallmark of smoking?, 45
- Benazepril**, Angiotensin converting enzyme inhibition in chronic stable angina: effects on myocardial ischaemia and comparison with nifedipine, 30
- Bendroflumazide**, Combination diuretic treatment in severe heart failure, 146
- Beta blockade**, Effect of beta blockade on the neurohumoral and cardiopulmonary response to dynamic exercise in cardiac transplant recipients, 431
- Bland-White-Garland syndrome**, Successful operation in an old survivor of anomalous origin of the left coronary artery from the pulmonary trunk (Bland-White-Garland syndrome), 193
- Blood flow**  
Assessment of changes in blood flow through the lungs and foramen ovale in the normal human fetus with gestational age: a prospective Doppler echocardiographic study, 232  
Profiles of coronary blood flow velocity in patients with aortic stenosis and the effect of valve replacement: a transthoracic echocardiographic study, 57  
*Borrelia burgdorferi*, No evidence to implicate *Borrelia burgdorferi* in the pathogenesis of dilated cardiomyopathy in the United Kingdom, 459
- British Cardiac Society**  
Mobile cardiac catheterisation laboratory: recommendations of the Medical Practice Committee and Council of the British Cardiac Society, 207  
Newsletters, 109, 206, 304, 399, 490, 596  
Strategic planning for cardiac services and the internal market: role of catheterisation laboratories in district general hospitals: BCS Council statement, 110

## C

- Caerphilly prospective study**, Insulin in ischaemic heart disease: are associations explained by triglyceride concentrations? The Caerphilly prospective study, 293
- Cardiac efficiency**, Short-term effects of right atrial, right ventricular apical, and atrioventricular sequential pacing on myocardial oxygen consumption and cardiac efficiency in patients with coronary artery disease, 536
- Cardiac surgery**  
How transoesophageal echocardiography can assist cardiac surgery in adults: *editorial*, 404  
Randomised placebo controlled double blind study of two low dose aprotinin regimens in cardiac surgery, 349
- Cardiac tamponade**, Amoebiasis: a rare cause of cardiac tamponade, 368

- Cardioinhibitory malignant vasovagal syndrome**, Permanent pacing for cardioinhibitory malignant vasovagal syndrome, 274
- Cardiomyoplasty**, Colour Doppler imaging of skeletal muscle and myocardium after dynamic cardiomyoplasty, S32 *abs*
- Cardioprotection**, Lack of cardioprotective efficacy of allopurinol in coronary artery surgery, 177
- Cardiovascular pathology**, Cardiovascular pathology in Europe: a new school, 507
- Cardiovascular responses**, Effects of a patent foramen ovale on arterial saturation during exercise and on cardiovascular responses to deep breathing, Valsalva manoeuvre, and passive tilt: relation to history of decompression illness in divers, 229
- Cardioverter defibrillator**, Use of an implantable cardioverter defibrillator in a patient with a rate responsive pacemaker, 191
- Catheter ablation**, Radiofrequency catheter ablation: a new frontier in interventional cardiology: *review*, 119
- Catheterisation**  
Mobile cardiac catheterisation laboratory: recommendations of the Medical Practice Committee and Council of the British Cardiac Society, 207  
Strategic planning for cardiac services and the internal market: role of catheterisation laboratories in district general hospitals: BCS Council statement, 110  
Validation of dobutamine stress digital echocardiography during cardiac catheterisation, S31 *abs*
- Cholesterol**  
Can any agreement be reached on cholesterol lowering?, 125  
Serum cholesterol and acute myocardial infarction: a case-control study from the GISSI-2 trial, 468
- Circadian patterns**, Influence of the autonomic nervous system on circadian patterns of myocardial ischaemia: comparison of stable angina with the early postinfarction period, 329
- Coarctation of the aorta**  
Coarctation of the aorta: difficulties in prenatal diagnosis, 70  
Mitral valve hypoplasia in children with isolated coarctation of the aorta, 358
- Colour Doppler imaging**, Colour Doppler imaging of skeletal muscle and myocardium after dynamic cardiomyoplasty, S32 *abs*
- Conduction disturbance**, Relative effects of left ventricular mass and conduction disturbance on activation in patients with pathological left ventricular hypertrophy, 548
- Congenital heart defects**, Dynamic three-dimensional echocardiography with a computed tomography imaging probe: initial clinical experience with transthoracic application in infants and children with congenital heart defects, 462
- Congenital heart disease**  
Effect of inhaled nitric oxide on raised pulmonary vascular resistance in children with congenital heart disease, 282  
Screening for fetal cardiac malformations, S20
- Conotruncal and aorto-pulmonary septum**, Maldevelopment of conotruncal and aorto-pulmonary septum with absent left central pulmonary artery: anatomical and clinical implications, 89
- Coronary angiography**  
Exercise testing without interruption of medication for refining the selection of mildly symptomatic patients for prognostic coronary angiography, 334  
Variations in the use of coronary angiography in three cities in the Trent Region, 474
- Coronary artery**  
Intravascular ultrasound imaging of angiographically normal coronary arteries: a prospective study in vivo, 572  
Lack of cardioprotective efficacy of allopurinol in coronary artery surgery, 177
- Coronary artery bypass surgery (grafting)**  
Coronary artery bypass surgery: current practice in the United Kingdom, 382  
Coronary artery surgery in women compared with men: analysis of coronary risk factors and in-hospital mortality in a single centre, 408  
Is this the end of the aspirin and vein graft story? *commentary*, 510
- Coronary artery disease**  
Cardiac parasympathetic activity in severe uncomplicated coronary artery disease, 515  
Effects of spinal cord stimulation on myocardial ischaemia during daily life in patients with severe coronary artery disease, 413  
Short-term effects of right atrial, right ventricular apical, and atrio-ventricular sequential pacing on myocardial oxygen consumption and cardiac efficiency in patients with coronary artery disease, 536
- Coronary blood flow**, Profiles of coronary blood flow velocity in patients with aortic stenosis and the effect of valve replacement: a transthoracic echocardiographic study, 57
- Coronary heart disease**  
Coronary heart disease, the menopause, and hormone replacement therapy, 213  
Relation of *Helicobacter pylori* infection and coronary heart disease, 437  
The rights of women: *editorial*, 401
- Coronary stenoses**, Long-term function in the remote region after myocardial infarction: importance of significant coronary stenoses in the non-infarct-related artery, 249
- Correction**, 207, 208
- Corridor operation**, Long-term results of the corridor operation for atrial fibrillation, 170
- Cough**, Mechanism of pacemaker induced cough, 484
- Creatine kinase**, Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
- Creatine kinase-MB**, Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
- Cyanosis**, Transcatheter coil embolisation of a pulmonary arteriovenous malformation in a neonate, 370
- D**
- Diabetes**, Exercise electrocardiography and aortic Doppler velocimetry in asymptomatic identical twins discordant for type 1 (insulin dependent) diabetes, 341
- Dilated cardiomyopathy**  
Do specific HLA antigens predispose to ischaemic heart disease or idiopathic dilated cardiomyopathy?, 76  
No evidence to implicate *Borrelia burgdorferi* in the pathogenesis of dilated cardiomyopathy in the United Kingdom, 459
- Dipyridamole**, Dipyridamole is superior to dobutamine for thallium stress imaging, 129
- Direct access exercise electrocardiography**, Direct access exercise electrocardiography: a new service that improves the management of suspected ischaemic heart disease in the community, 531
- Diuretics**, Combination diuretic treatment in severe heart failure, 146
- Dobutamine**  
Dipyridamole is superior to dobutamine for thallium stress imaging, 129  
Haemodynamic changes during dobutamine stress echocardiography: implications for the detection of viable myocardium, S31 *abs*  
Myocardial ischaemia during dobutamine stress echocardiography induces 'dynamic' mitral regurgitation, S31 *abs*  
Validation of dobutamine stress digital echocardiography during cardiac catheterisation, S31 *abs*
- Doppler**  
Diastolic function in aortic stenosis versus systemic hypertension: a Doppler echocardiographic study, S34 *abs*  
Doppler echocardiographic assessment of early changes in diastolic function after aortic valve replacement for aortic stenosis, S34 *abs*  
Measurement of isovolumic relaxation time by Doppler and dual M-mode techniques: comparison and pitfalls, S33 *abs*
- Ductus arteriosus**, Medium-term follow up of residual shunting and potential complications after transcatheter occlusion of the ductus arteriosus, 63
- E**
- Echocardiography**  
Assessment of changes in blood flow through the lungs and foramen ovale in the normal human fetus with gestational age: a prospective Doppler echocardiographic study, 232  
Assessment of ejection fraction by echocardiographic automatic boundary detection following myocardial infarction: comparison with radionuclide angiography, S33 *abs*  
Diastolic function in aortic stenosis versus systemic hypertension: a Doppler echocardiographic study, S34 *abs*  
Doppler echocardiographic assessment of early changes in diastolic function after aortic valve replacement for aortic stenosis, S34 *abs*  
Dynamic three-dimensional echocardiography with a computed tomography imaging probe: initial clinical experience with transthoracic application in infants and children with congenital heart defects, 462  
Echocardiographic assessment of artificial heart valves: British Society of Echocardiography position paper, S6  
Echocardiographic assessment of the mitral valve does not predict clinically useful balloon dilatation, S36 *abs*  
Echocardiography: foreword to British Society of Echocardiography supplement 1994, S1  
Haemodynamic changes during dobutamine stress echocardiography: implications for the detection of viable myocardium, S31 *abs*  
Myocardial ischaemia during dobutamine stress echocardiography induces 'dynamic' mitral regurgitation, S31 *abs*  
On-line echocardiographic automatic boundary detection assessment of left ventricular cardiac contractility, S33 *abs*  
Screening for fetal cardiac malformations, S20  
To my friend in echocardiography: *letter from America*, S28  
Training in echocardiography, S2  
Two-dimensional echo-guided invasive cardiological procedures in the district general hospital, S33 *abs*  
Validation of dobutamine stress digital echocardiography during cardiac catheterisation, S31 *abs*
- Effective refractory period**, Differential effect of pharmacological

- autonomic blockade on some electrophysiological properties of the human ventricle and atrium, 34
- Ejection fraction**, Assessment of ejection fraction by echocardiographic automatic boundary detection following myocardial infarction: comparison with radionuclide angiography, S33 *abs*
- Electrocardiography**
- Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
  - Direct access exercise electrocardiography: a new service that improves the management of suspected ischaemic heart disease in the community, 531
  - Muscular false tendons, aberrant left ventricular papillary musculature, and severe electrocardiographic repolarisation abnormalities: a new syndrome, 187
  - Relations between resting ventricular long axis function, the electrocardiogram, and myocardial perfusion imaging in syndrome X, 541
- Emergency calls**, Telephone triage of cardiac emergency calls by dispatchers: a prospective study of 1386 emergency calls, 440
- End-on aortogram**, End-on aortogram: improved identification of important coronary artery anomalies in tetralogy of Fallot, 102
- Endorphins**, Increase in plasma beta endorphins precedes vaso-depressor syncope, 446: *correction*, 597
- Endothelium**
- Does X equal endothelial dysfunction? *abstracts in cardiology*, 181
  - Evidence of impaired endothelium-dependent coronary vasodilatation in patients with angina pectoris and normal coronary angiograms: *abstracts in cardiology*, 181
- Enzymes**
- Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
  - Will serum enzymes and other proteins find a clinical application in the early diagnosis of myocardial infarction? *viewpoint*, 309
- Epoprostenol**, Failure of epoprostenol (prostacyclin, PGI<sub>2</sub>) to inhibit platelet aggregation and to prevent restenosis after coronary angioplasty, 7
- Erosion, pacemaker**, Mechanical, but not infective, pacemaker erosion may be successfully managed by re-implantation of pacemakers, 202
- European School for Cardiovascular Pathology**, Cardiovascular pathology in Europe: a new school, 507
- Exercise**
- Assessment of functional capacity in chronic heart failure: time-limited exercise on a self-powered treadmill, 391
  - Direct access exercise electrocardiography: a new service that improves the management of suspected ischaemic heart disease in the community, 531
  - Effect of beta blockade on the neurohumoral and cardiopulmonary response to dynamic exercise in cardiac transplant recipients, 431
  - Effects of motivation of the patient on indices of exercise capacity in chronic heart failure, 162
  - Exercise electrocardiography and aortic Doppler velocimetry in asymptomatic identical twins discordant for type 1 (insulin dependent) diabetes, 341
  - Exercise induced vasodepressor syncope, 554
  - Exercise testing without interruption of medication for refining the selection of mildly symptomatic patients for prognostic coronary angiography, 334
  - Transmitral flow pattern during short exercise: a predictor of ventricular contractile reserve following myocardial infarction, S32 *abs*
  - Usefulness of arterial blood gas estimations during exercise in patients with chronic heart failure, 528
- F**
- False aneurysm**, False aneurysm of the right ventricular outflow tract after total correction of tetralogy of Fallot: diagnosis by echocardiography and successful repair by neck cannulation for cardiopulmonary bypass, 566
- Fatty-acid-binding protein**, Fatty-acid-binding protein as a plasma marker for the estimation of myocardial infarct size in humans, 135
- Fenfluramine**, International Primary Pulmonary Hypertension Study: *letter*, 303
- Fetal echocardiography**, Screening for fetal cardiac malformations, S20
- Fibrinolytic activity**, Circadian variation in fibrinolytic activity in patients with variant angina, 156
- Foramen ovale**, Assessment of changes in blood flow through the lungs and foramen ovale in the normal human fetus with gestational age: a prospective Doppler echocardiographic study, 232
- G**
- Gas estimations**, Usefulness of arterial blood gas estimations during exercise in patients with chronic heart failure, 528
- H**
- Heart failure**
- Assessment of functional capacity in chronic heart failure: time-limited exercise on a self-powered treadmill, 391
  - Can power spectral analysis of heart rate variability identify a high risk subgroup of congestive heart failure patients with excessive sympathetic activation? A pilot study before and after heart transplantation, 422
  - Cardiac neuropeptide Y and noradrenaline balance in patients with congestive heart failure, 261
  - Combination diuretic treatment in severe heart failure: a randomised controlled trial, 146
  - Effects of motivation of the patient on indices of exercise capacity in chronic heart failure, 162
  - Evidence of inadequate investigation and treatment of patients with heart failure, 584
  - Heart rate variability and its relation to ventricular arrhythmias in congestive heart failure, 322
  - QT interval dispersion in chronic heart failure and left ventricular hypertrophy: relation to autonomic nervous system and Holter tape abnormalities, 268
  - Usefulness of arterial blood gas estimations during exercise in patients with chronic heart failure, 528
- Heart rate**
- Can power spectral analysis of heart rate variability identify a high risk subgroup of congestive heart failure patients with excessive sympathetic activation? A pilot study before and after heart transplantation, 422
  - Decreased heart rate variability in survivors of sudden cardiac death not associated with coronary artery disease, 16
  - Heart rate variability and clinical cardiology: *editorial*, 3
  - Heart rate variability and its relation to ventricular arrhythmias in congestive heart failure, 322
  - Power spectrum analysis of heart rate variability: a tool to explore neural regulatory mechanisms: *editorial*, 1
  - Progressive reduction of heart rate variability with eventual sudden death in two patients, 87
  - Temporal influences on the prediction of postinfarction mortality by heart rate variability: a comparison with the left ventricular ejection fraction, 521
- Heart transplantation**
- Can power spectral analysis of heart rate variability identify a high risk subgroup of congestive heart failure patients with excessive sympathetic activation? A pilot study before and after heart transplantation, 422
  - Effect of beta blockade on the neurohumoral and cardiopulmonary response to dynamic exercise in cardiac transplant recipients, 431
  - Helicobacter pylori* infection, Relation of *Helicobacter pylori* infection and coronary heart disease, 437
- Hepatic portal venous flow**, Hepatic portal venous flow in patients undergoing tricuspid valve surgery, 354
- HLA antigens**, Do specific HLA antigens predispose to ischaemic heart disease or idiopathic dilated cardiomyopathy?, 76
- Hormone replacement therapy**, Coronary heart disease, the menopause, and hormone replacement therapy, 213
- Hypotension**, Significant hypotension in patients given midazolam before transoesophageal echocardiography, S36 *abs*
- I**
- Indexing**, Indexing the *British Heart Journal*: choice of keywords, 212
- Infarct size**
- Fatty-acid-binding protein as a plasma marker for the estimation of myocardial infarct size in humans, 135
  - Ten year mortality in relation to original size of myocardial infarct: results from the Gothenburg metoprolol study, 238
- Infarct zone**, Assessment of reperfusion of the infarct zone after acute myocardial infarction by serial cardiac troponin T measurements in serum, 242
- Insulin**
- Insulin in ischaemic heart disease: are associations explained by triglyceride concentrations? The Caerphilly prospective study, 293
  - Insulin resistance syndrome as a feature of cardiometabolic syndrome X in non-obese men, 41
  - Lewis phenotypes, insulin resistance, and risk of ischaemic heart disease: *editorial*, 305
- Interleukin 2, recombinant**, Impaired left ventricular filling rate induced by treatment with recombinant interleukin 2 for advanced cancer, 166
- International Primary Pulmonary Hypertension Study**, International Primary Pulmonary Hypertension Study: *letter*, 303
- Intravascular ultrasound imaging**, Intravascular ultrasound imaging of angiographically normal coronary arteries: a prospective study in vivo, 572
- Ischaemic cardiomyopathy**, Presence of myocardial viability does not predict global improvement in left ventricular function in chronic ischaemic cardiomyopathy, S31 *abs*
- Ischaemic heart disease**
- Direct access exercise electrocardiography: a new service that improves the management of suspected ischaemic heart disease in the community, 531



- Do specific HLA antigens predispose to ischaemic heart disease or idiopathic dilated cardiomyopathy?, 76
- Insulin in ischaemic heart disease: are associations explained by triglyceride concentrations? The Caerphilly prospective study, 293
- Lewis phenotypes, insulin resistance, and risk of ischaemic heart disease: *editorial*, 305
- Significance of raised plasma concentrations of tissue-type plasminogen activator and plasminogen activator inhibitor in patients at risk from ischaemic heart disease: *review*, 504
- Isovolumic relaxation**, Measurement of isovolumic relaxation time by Doppler and dual M-mode techniques: comparison and pitfalls, S33 *abs*
- K**
- Keywords**, Indexing the *British Heart Journal*: choice of keywords, 212
- L**
- Left coronary artery, anomalous origin from pulmonary trunk**, Successful operation in an old survivor of anomalous origin of the left coronary artery from the pulmonary trunk (Bland-White-Garland syndrome), 193
- Left ventricle**
- Impaired left ventricular filling rate induced by treatment with recombinant interleukin 2 for advanced cancer, 166
- Incidence and prognosis of obstruction of the left ventricular outflow tract in Liverpool (1960-91): a study of 313 patients, 588
- Long-term function in the remote region after myocardial infarction: importance of significant coronary stenoses in the non-infarct-related artery, 249
- On-line echocardiographic automatic boundary detection assessment of left ventricular cardiac contractility, S33 *abs*
- Presence of myocardial viability does not predict global improvement in left ventricular function in chronic ischaemic cardiomyopathy, S31 *abs*
- QT interval dispersion in chronic heart failure and left ventricular hypertrophy: relation to autonomic nervous system and Holter tape abnormalities, 268
- Relative effects of left ventricular mass and conduction disturbance on activation in patients with pathological left ventricular hypertrophy, 548
- Temporal influences on the prediction of postinfarction mortality by heart rate variability: a comparison with the left ventricular ejection fraction, 521
- The effect of successful coronary angioplasty on left ventricular compliance, S34 *abs*
- Lewis phenotypes**, Lewis phenotypes, insulin resistance, and risk of ischaemic heart disease: *editorial*, 305
- Lp(a) lipoprotein**, Serum Lp(a) lipoprotein concentration and outcome of thrombolytic treatment for myocardial infarction, 316
- M**
- M-mode techniques**, Measurement of isovolumic relaxation time by Doppler and dual M-mode techniques: comparison and pitfalls, S33 *abs*
- Magnarail system**, A randomised comparison of the Omniflex and Magnarail systems in recanalisation of coronary occlusions, 378
- Magnesium sulphate**, Investigation of the effects of intravenous magnesium sulphate on cardiac rhythm in acute myocardial infarction, 141
- Magnetic resonance imaging**, Is magnetic resonance imaging superior to transoesophageal echocardiography in the follow up of patients with thoracic aortic dissection? S35 *abs*
- Menopause**, Coronary heart disease, the menopause, and hormone replacement therapy, 213
- Metolazone**, Combination diuretic treatment in severe heart failure, 146
- Metoprolol**, Ten year mortality in relation to original size of myocardial infarct: results from the Gothenburg metoprolol study, 238
- Microvascular dysfunction**
- Does X equal endothelial dysfunction? *abstracts in cardiology*, 181
- Evidence of impaired endothelium-dependent coronary vasodilatation in patients with angina pectoris and normal coronary angiograms: *abstracts in cardiology*, 181
- Midazolam**, Significant hypotension in patients given midazolam before transoesophageal echocardiography, S36 *abs*
- Mitral regurgitation**
- Does papillary muscle ischaemia cause 'dynamic' mitral regurgitation? S32 *abs*
- Myocardial ischaemia during dobutamine stress echocardiography induces 'dynamic' mitral regurgitation, S31 *abs*
- Mitral valve**
- Assessment of rheumatic mitral valves: single-plane versus biplane transoesophageal echocardiography, S36 *abs*
- Echocardiographic assessment of the mitral valve does not predict clinically useful balloon dilatation, S36 *abs*
- Late clinical and echocardiographic follow up after percutaneous balloon dilatation of the mitral valve, 454
- Mitral valve hypoplasia in children with isolated coarctation of the aorta, 358
- Mitral valve repair: a clinical and echocardiographic study, 51
- Papillary fibroelastoma of the mitral valve: a rare cause of transient neurological deficits, 6
- Monitoring**, Monitoring myocardial damage in cardiac surgery by troponin T detection: *letter*, 109
- Monophasic action potential**, Differential effect of pharmacological autonomic blockade on some electrophysiological properties of the human ventricle and atrium, 34
- Mortality**, Temporal influences on the prediction of postinfarction mortality by heart rate variability: a comparison with the left ventricular ejection fraction, 521
- Muscular false tendons**, Muscular false tendons, aberrant left ventricular papillary musculature, and severe electrocardiographic repolarisation abnormalities: a new syndrome, 187
- Myocardial bridging**, Abnormal ventricular repolarisation in association with myocardial bridging, 366
- Myocardial infarction**
- Ambulatory ST segment monitoring after myocardial infarction: *editorial*, 113
- Assessment of ejection fraction by echocardiographic automatic boundary detection following myocardial infarction: comparison with radionuclide angiography, S33 *abs*
- Assessment of reperfusion of the infarct zone after acute myocardial infarction by serial cardiac troponin T measurements in serum, 242
- Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
- Does pain relief with spinal cord stimulation for angina conceal myocardial infarction?, 419
- Fatty-acid-binding protein as a plasma marker for the estimation of myocardial infarct size in humans, 135
- Importance of thrombosis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina, 151
- Investigation of the effects of intravenous magnesium sulphate on cardiac rhythm in acute myocardial infarction, 141
- Long-term function in the remote region after myocardial infarction: importance of significant coronary stenoses in the non-infarct-related artery, 249
- Serum cholesterol and acute myocardial infarction: a case-control study from the GISSI-2 trial, 468
- Serum Lp(a) lipoprotein concentration and outcome of thrombolytic treatment for myocardial infarction, 316
- Should angiotensin converting enzyme (ACE) inhibitors be used routinely after infarction? Perspectives from the Survival and Ventricular Enlargement (SAVE) Trial: *review*, 115
- Temporal influences on the prediction of postinfarction mortality by heart rate variability: a comparison with the left ventricular ejection fraction, 521
- Ten year mortality in relation to original size of myocardial infarct: results from the Gothenburg metoprolol study, 238
- Transmitral flow pattern during short exercise: a predictor of ventricular contractile reserve following myocardial infarction, S32 *abs*
- Will serum enzymes and other proteins find a clinical application in the early diagnosis of myocardial infarction? *viewpoint*, 309
- Myocardial ischaemia**
- Angiotensin converting enzyme inhibition in chronic stable angina: effects on myocardial ischaemia and comparison with nifedipine, 30
- Differences in autonomic nerve function in patients with silent and symptomatic myocardial ischaemia, 22
- Effects of spinal cord stimulation on myocardial ischaemia during daily life in patients with severe coronary artery disease, 413
- Influence of the autonomic nervous system on circadian patterns of myocardial ischaemia: comparison of stable angina with the early postinfarction period, 329
- Myocardial ischaemia during dobutamine stress echocardiography induces 'dynamic' mitral regurgitation, S31 *abs*
- Myocardial perfusion imaging**, Relations between resting ventricular long axis function, the electrocardiogram, and myocardial perfusion imaging in syndrome X, 541
- Myoglobin**, Comparison of the value of novel rapid measurement of myoglobin, creatine kinase, and creatine kinase-MB with the electrocardiogram for the diagnosis of acute myocardial infarction, 311
- N**
- Neonatal period**, Changes in pulmonary venous flow pattern during early neonatal life, 182
- Neural regulatory mechanisms**, Power spectrum analysis of heart rate variability: a tool to explore neural regulatory mechanisms: *editorial*, 1
- Neuropeptide Y**, Cardiac neuropeptide Y and noradrenaline balance in patients with congestive heart failure, 261
- Nifedipine**, Angiotensin converting enzyme inhibition in chronic stable angina: effects on myocardial ischaemia and comparison with nifedipine, 30



- Nitrates**, Implication of prescriptions for nitrates: 7 year follow up of patients treated for angina in general practice, 38
- Nitric oxide**, Effect of inhaled nitric oxide on raised pulmonary vascular resistance in children with congenital heart disease, 282
- Noonan's cardiomyopathy**, Noonan's cardiomyopathy: a non-hypertrophic variant, 561
- Noradrenaline**, Cardiac neuropeptide Y and noradrenaline balance in patients with congestive heart failure, 261
- Notices**, 112, 208, 304, 400, 596
- O**
- Oedema**, Pathogenesis of oedema in chronic severe anaemia: *letter*, 490
- Omniflex system**, A randomised comparison of the Omniflex and Magnarail systems in recanalisation of coronary occlusions, 378
- Oxygen consumption**, Short-term effects of right atrial, right ventricular apical, and atrioventricular sequential pacing on myocardial oxygen consumption and cardiac efficiency in patients with coronary artery disease, 536
- P**
- Pacemaker, pacing**
- Does pacing help in vasovagal syncope?, 385
- Impact of internal audit on pacemaker prescription and the immediate costs of pacing in the Northern Region: towards implementation of the recommendations of the British Pacing and Electrophysiology Group, 395
- Mechanical, but not infective, pacemaker erosion may be successfully managed by re-implantation of pacemakers, 202
- Mechanism of pacemaker induced cough, 484
- Permanent pacing for cardioinhibitory malignant vasovagal syndrome, 274
- Short-term effects of right atrial, right ventricular apical, and atrioventricular sequential pacing on myocardial oxygen consumption and cardiac efficiency in patients with coronary artery disease, 536
- Successful treatment by balloon venoplasty and stent insertion of obstruction of the superior vena cava by an endocardial pacemaker lead, 363
- Survey of the attitudes of British physicians to pacing, 96
- Use of an implantable cardioverter defibrillator in a patient with a rate responsive pacemaker, 191
- Ventricular tachycardia: an unusual pacemaker-mediated tachycardia, 481
- Papillary fibroelastoma**, Papillary fibroelastoma of the mitral valve: a rare cause of transient neurological deficits, 6
- Papillary muscle ischaemia**, Does papillary muscle ischaemia cause 'dynamic' mitral regurgitation? S32 *abs*
- Papillary musculature**, Muscular false tendons, aberrant left ventricular papillary musculature, and severe electrocardiographic repolarisation abnormalities: a new syndrome, 187
- Parasympathetic activity**, Cardiac parasympathetic activity in severe uncomplicated coronary artery disease, 515
- Patent foramen ovale**
- Assessment of changes in blood flow through the lungs and foramen ovale in the normal human fetus with gestational age: a prospective Doppler echocardiographic study, 232
- Effects of a patent foramen ovale on arterial saturation during exercise and on cardiovascular responses to deep breathing, Valsalva manoeuvre, and passive tilt: relation to history of decompression illness in divers, 229
- Patent foramen ovale in adult life: *editorial*, 209
- Percutaneous balloon dilatation**, Late clinical and echocardiographic follow up after percutaneous balloon dilatation of the mitral valve, 454
- Percutaneous transluminal coronary angioplasty**
- Effect of successful coronary angioplasty on left ventricular compliance, S34 *abs*
- Failure of epoprostenol (prostacyclin, PGI<sub>2</sub>) to inhibit platelet aggregation and to prevent restenosis after coronary angioplasty, 7
- Randomised comparison of the Omniflex and Magnarail systems in recanalisation of coronary occlusions, 378
- Temporary stent as a bail-out device during percutaneous transluminal coronary angioplasty: preliminary clinical experience, 372
- Verapamil treatment after coronary angioplasty in patients at high risk of recurrent stenosis, 254
- Plasminogen activator inhibitor**, Significance of raised plasma concentrations of tissue-type plasminogen activator and plasminogen activator inhibitor in patients at risk from ischaemic heart disease: *review*, 504
- Pre-excited atrial fibrillation**, Haemodynamic deterioration after treatment with adenosine, 569
- Pregnancy**, Outcome of pregnancy in women with valve prostheses, 196
- Prenatal diagnosis**, Coarctation of the aorta: difficulties in prenatal diagnosis, 70
- Primary pulmonary hypertension**, International Primary Pulmonary Hypertension Study: *letter*, 303
- Propranolol**, Differential effect of pharmacological autonomic blockade on some electrophysiological properties of the human ventricle and atrium, 34
- Proximal coronary arteries**, Transoesophageal echo imaging and flow measurements in the proximal coronary arteries: do more planes = more success? S35 *abs*
- Pulmonary arteriovenous malformation**, Transcatheter coil embolisation of a pulmonary arteriovenous malformation in a neonate, 370
- Pulmonary atresia**, Stenting of stenosed aortopulmonary collaterals: a new approach to palliation in pulmonary atresia with multifocal aortopulmonary blood supply, 487
- Pulmonary oedema**, Acute pulmonary oedema: an unusual clinical presentation of unruptured sinus of Valsalva, 29
- Pulmonary valve atresia**, Maldevelopment of conotruncal and aortopulmonary septum with absent left central pulmonary artery: anatomical and clinical implications, 89
- Pulmonary vascular resistance**, Effect of inhaled nitric oxide on raised pulmonary vascular resistance in children with congenital heart disease, 282
- Pulmonary venous flow pattern**, Changes in pulmonary venous flow pattern during early neonatal life, 182
- Q**
- QRS duration**, Relative effects of left ventricular mass and conduction disturbance on activation in patients with pathological left ventricular hypertrophy, 548
- QT interval**, Errors in manual measurement of QT intervals, 386
- QT interval dispersion**
- QT dispersion: *review*, 508
- QT interval dispersion: a non-invasive marker of susceptibility to arrhythmia in patients with sustained ventricular arrhythmias?, 511
- QT interval dispersion in chronic heart failure and left ventricular hypertrophy: relation to autonomic nervous system and Holter tape abnormalities, 268
- R**
- Recanalisation**, A randomised comparison of the Omniflex and Magnarail systems in recanalisation of coronary occlusions, 378
- Restenosis**
- Failure of epoprostenol (prostacyclin, PGI<sub>2</sub>) to inhibit platelet aggregation and to prevent restenosis after coronary angioplasty: results of a randomised placebo controlled trial, 7
- Verapamil treatment after coronary angioplasty in patients at high risk of recurrent stenosis, 254
- Rhabdomyomas**, 10 year review of cardiac tumours in childhood: *letter*, 490
- Rheumatic mitral valves**, Assessment of rheumatic mitral valves: single-plane versus biplane transoesophageal echocardiography, S36 *abs*
- Right atrial mass**, Evaluation of right atrial mass lesions using transoesophageal echocardiography, S35 *abs*
- Right ventricular outflow tract**, False aneurysm of the right ventricular outflow tract after total correction of tetralogy of Fallot: diagnosis by echocardiography and successful repair by neck cannulation for cardiopulmonary bypass, 566
- Risk factors**, Coronary artery surgery in women compared with men: analysis of coronary risk factors and in-hospital mortality in a single centre, 408
- Risk stratification**, Heart rate variability and clinical cardiology: *editorial*, 3
- S**
- Saphenous vein**, Is thickening of the basal lamina in the saphenous vein a hallmark of smoking?, 45
- Secundum atrial septal defect**
- Natural history of secundum atrial septal defect in adults after medical or surgical treatment: a historical prospective study, 224
- Secundum atrial septal defect: routine surgical treatment is not of proven benefit: *review*, 219
- Shunting**, Medium-term follow up of residual shunting and potential complications after transcatheter occlusion of the ductus arteriosus, 63
- Silent ischaemia**
- Differences in autonomic nerve function in patients with silent and symptomatic myocardial ischaemia, 22
- Importance of thrombosis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina, 151
- Sinus of Valsalva**
- Acute pulmonary oedema: an unusual clinical presentation of unruptured sinus of Valsalva, 29
- Transcatheter closure of a ruptured aneurysm of the sinus of Valsalva, 479
- Smoking**, Is thickening of the basal lamina in the saphenous vein a hallmark of smoking?, 45
- Spinal cord stimulation**
- Does pain relief with spinal cord stimulation for angina conceal

- myocardial infarction?, 419
- Effects of spinal cord stimulation on myocardial ischaemia during daily life in patients with severe coronary artery disease, 413
- ST segment**, Ambulatory ST segment monitoring after myocardial infarction: *editorial*, 113
- Staffing**, Eighth survey of staffing in cardiology in the United Kingdom 1992, 492
- Stent, stenting**
- Stenting of stenosed aortopulmonary collaterals: a new approach to palliation in pulmonary atresia with multifocal aortopulmonary blood supply, 487
- Successful treatment by balloon venoplasty and stent insertion of obstruction of the superior vena cava by an endocardial pacemaker lead, 363
- Temporary stent as a bail-out device during percutaneous transluminal coronary angioplasty: preliminary clinical experience, 372
- Streptokinase antibodies**, Are streptokinase antibodies clinically important? *letter*, 303
- Sudden death**
- Decreased heart rate variability in survivors of sudden cardiac death not associated with coronary artery disease, 16
- Progressive reduction of heart rate variability with eventual sudden death in two patients, 87
- Temporal influences on the prediction of postinfarction mortality by heart rate variability: a comparison with the left ventricular ejection fraction, 521
- Superior vena cava**, Successful treatment by balloon venoplasty and stent insertion of obstruction of the superior vena cava by an endocardial pacemaker lead, 363
- Surgery**, Surgery for atrial fibrillation: *editorial*, 501
- Sympathetic activation**, Can power spectral analysis of heart rate variability identify a high risk subgroup of congestive heart failure patients with excessive sympathetic activation? A pilot study before and after heart transplantation, 422
- Syncope**
- Exercise induced vasodepressor syncope, 554
- Increase in plasma beta endorphins precedes vasodepressor syncope, 446: *correction*, 597
- Syndrome X**
- Does X equal endothelial dysfunction? *abstracts in cardiology*, 181
- Evidence of impaired endothelium-dependent coronary vasodilatation in patients with angina pectoris and normal coronary angiograms: *abstracts in cardiology*, 181
- Insulin resistance syndrome as a feature of cardiological syndrome X in non-obese men, 41
- Relations between resting ventricular long axis function, the electrocardiogram, and myocardial perfusion imaging in syndrome X, 541
- T**
- Tetralogy of Fallot**
- Complete atrioventricular septal defect with tetralogy of Fallot: diagnosis and management, 579
- End-on aortogram: improved identification of important coronary artery anomalies in tetralogy of Fallot, 102
- False aneurysm of the right ventricular outflow tract after total correction of tetralogy of Fallot: diagnosis by echocardiography and successful repair by neck cannulation for cardiopulmonary bypass, 566
- Thallium stress imaging**, Dipyridamole is superior to dobutamine for thallium stress imaging, 129
- Thoracic aortic dissection**
- Is magnetic resonance imaging superior to transoesophageal echocardiography in the follow up of patients with thoracic aortic dissection? *S35 abs*
- Transoesophageal echocardiography is the only diagnostic test required in the management of patients with acute thoracic aortic dissection, *S35 abs*
- Three-dimensional echocardiography**, Dynamic three-dimensional echocardiography with a computed tomography imaging probe: initial clinical experience with transthoracic application in infants and children with congenital heart defects, 462
- Thrombolysis**
- Are streptokinase antibodies clinically important? *letter*, 303
- Importance of thrombolysis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina, 151
- Serum Lp(a) lipoprotein concentration and outcome of thrombolytic treatment for myocardial infarction, 316
- Thrombosis**, Importance of thrombolysis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina, 151
- Tissue-type plasminogen activator**, Significance of raised plasma concentrations of tissue-type plasminogen activator and plasminogen activator inhibitor in patients at risk from ischaemic heart disease: *review*, 504
- Transcatheter closure**, Transcatheter closure of a ruptured aneurysm of the sinus of Valsalva, 479
- Transcatheter coil embolisation**, Transcatheter coil embolisation of a pulmonary arteriovenous malformation in a neonate, 370
- Transcatheter occlusion**, Medium-term follow up of residual shunting and potential complications after transcatheter occlusion of the ductus arteriosus, 63
- Transmitral flow pattern**, Transmitral flow pattern during short exercise: a predictor of ventricular contractile reserve following myocardial infarction, *S32 abs*
- Transoesophageal echocardiography**
- Assessment of rheumatic mitral valves: single-plane versus biplane transoesophageal echocardiography, *S36 abs*
- Evaluation of right atrial mass lesions using transoesophageal echocardiography, *S35 abs*
- How transoesophageal echocardiography can assist cardiac surgery in adults: *editorial*, 404
- Is magnetic resonance imaging superior to transoesophageal echocardiography in the follow up of patients with thoracic aortic dissection? *S35 abs*
- Setting up a transoesophageal echocardiography service, *S15*
- Significant hypotension in patients given midazolam before transoesophageal echocardiography, *S36 abs*
- Transoesophageal echo imaging and flow measurements in the proximal coronary arteries: do more planes = more success? *S35 abs*
- Transoesophageal echocardiography is the only diagnostic test required in the management of patients with acute thoracic aortic dissection, *S35 abs*
- Value of multiplane transoesophageal echocardiography in recurrent atrial myxoma, 540
- Trent Region**, Variations in the use of coronary angiography in three cities in the Trent Region, 474
- Triage**, Telephone triage of cardiac emergency calls by dispatchers: a prospective study of 1386 emergency calls, 440
- Tricuspid valve surgery**, Hepatic portal venous flow in patients undergoing tricuspid valve surgery, 354
- Triglycerides**, Insulin in ischaemic heart disease: are associations explained by triglyceride concentrations? The Caerphilly prospective study, 293
- Troponin T**
- Assessment of reperfusion of the infarct zone after acute myocardial infarction by serial cardiac troponin T measurements in serum, 242
- Monitoring myocardial damage in cardiac surgery by troponin T detection: *letter*, 109
- Tumours**, 10 year review of cardiac tumours in childhood: *letter*, 490
- U**
- Ultrasound**, Intravascular ultrasound imaging of angiographically normal coronary arteries: a prospective study in vivo, 572
- V**
- Valve prostheses**
- Doppler echocardiographic assessment of early changes in diastolic function after aortic valve replacement for aortic stenosis, *S34 abs*
- Outcome of pregnancy in women with valve prostheses, 196
- Vasodepressor syncope**, Increase in plasma beta endorphins precedes vasodepressor syncope, 446: *correction*, 597
- Vasovagal syncope**, Does pacing help in vasovagal syncope?, 385
- Vasovagal syndrome**, Permanent pacing for cardioinhibitory malignant vasovagal syndrome, 274
- Ventricular arrhythmias**
- Heart rate variability and its relation to ventricular arrhythmias in congestive heart failure, 322
- QT dispersion: *review*, 508
- QT interval dispersion: a non-invasive marker of susceptibility to arrhythmia in patients with sustained ventricular arrhythmias?, 511
- Ventricular long axis function**, Relations between resting ventricular long axis function, the electrocardiogram, and myocardial perfusion imaging in syndrome X, 541
- Ventricular repolarisation**, Abnormal ventricular repolarisation in association with myocardial bridging, 366
- Ventricular stimulation**, Who needs ventricular stimulation studies? *editorial*, 307
- Ventricular tachycardia**, Ventricular tachycardia: an unusual pacemaker-mediated tachycardia, 481
- Verapamil**, Verapamil treatment after coronary angioplasty in patients at high risk of recurrent stenosis, 254
- Video review**, British Heart Foundation. A gift of life, 399
- W**
- Wegener's granulomatosis**, Wegener's granulomatosis and the heart, 82
- Women**
- Coronary artery surgery in women compared with men: analysis of coronary risk factors and in-hospital mortality in a single centre, 408
- The rights of women: *editorial*, 401